	Application No.	Applicant(s)	
	09/874,325		
Notice of Allowability	Examiner	TAMURA, TAKAHIRO Art Unit	
	Alexander Markoff	1746	
		1746	
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communication is supplication is supplication.	this application. If not included nication will be mailed in due cour	rse THIS
1. X This communication is responsive to papers filed on 6/6/20	<u>)01</u> .		
2. ⊠ The allowed claim(s) is/are <u>12-16,18 and 19</u> .			
3. $igotimes$ The drawings filed on <u>06 June 2001</u> are accepted by the E	xaminer.		
4. ☑ Acknowledgment is made of a claim for foreign priority un a) ☑ All b) ☐ Some* c) ☐ None of the:		r (f).	
 Certified copies of the priority documents have Certified copies of the priority documents have 		N- 00/054 070	
3. ☐ Copies of the certified copies of the priority documents have			f
International Bureau (PCT Rule 17.2(a)).	Junents have been received	in this national stage application	from the
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a ENT of this application.	a reply complying with the require	ements
5. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give	tted. Note the attached EXANs reason(s) why the oath or o	MINER'S AMENDMENT or NOTION Jeclaration is deficient.	CE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.		
(a) I including changes required by the Notice of Draftsperso	on's Patent Drawing Review	(PTO-948) attached	
1) 🗌 hereto or 2) 🗍 to Paper No./Mail Date			
(b) including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in	n the Office action of	
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the	drawings in the front (not the back	k) of
 DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F 	sit of BIOLOGICAL MATER	RIAL must be submitted. Note:	the
Attachment(s) . ⊠ Notice of References Cited (PTO-892)	E Notice of lufe	mine al Data et Augulia d'a company	٥)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	5. ☐ Notice of Info 6. ☐ Interview Sun	rmal Patent Application (PTO-152	2)
- , ,	Paper No./M		
Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 6/6/01	3), 7. ☐ Examiner's A	mendment/Comment	
. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's S	tatement of Reasons for Allowand	ce
of Biological Material	9.		
		Alexander Markoff Primary Examiner Art Unit: 1746	į

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The claims recite a protector having the same electrical properties as the electrical properties of the deposited film, which should be removed, and a plasma cleaning method utilizing the protector.

The requirement to have the same electrical properties (without specifying which property is meant) means that all and each electrical property of the protector must be the same as the property of the deposited film, which should be removed.

The term "same" according to the dictionary means:

- 1. Being the very one; identical: the same boat we rented before.
- 2. Similar in kind, quality, quantity, or degree.
- 3. Conforming in every detail: according to the same rules as before.
- 4. Being the one previously mentioned or indicated; aforesaid. 1

It is well-known in the art and that different materials having the same chemical composition have different electrical properties.

For example, the electrical properties of quartz (crystalline form of silicon oxide) are different from the properties of amorphous silicon oxide and the electrical properties of a natural silicon oxide are differed from the properties of a deposited silicon oxide.

Moreover, the electrical properties of the same material deposited by different deposition methods are different.

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Further, the electrical properties of a material deposited by the same method would be different depending from the parameters of the process.

Furthermore, deposited films can comprise different dopants, which influence electrical properties.

Please, see prosecution of the parent applications SN 08/654,873 and SN 09374,112 for the detailed discussion. The following handbooks, which were cited during the discussion, are cited again to support the examiner's position:

Sze (Semiconductor Devices, Physics and Technology, pages 341-380, especially page 358), Pierson (Handbook of Chemical Vapor Deposition (CVD), pages 231-234 and 278-282) and Sherman (Chemical Vapor Deposition for Microelectronics, pages 66-77 and 131-136, especially pages 134 and 135).

The prior art fails to teach or suggest a protector made by the exactly the same method (with maintaining the same parameters of the method) as the deposits, which should be removed.

None of the prior art documents teach measuring all and every electrical property of the deposited film to be removed and providing a protector with electrical properties matching the measured properties.

The prior art (Frieser et al, Fujimaki and others) only teaches the protectors made from silicon oxide, silica glass, quartz, etc. It is noted that none of such conventional protectors or any other protector produced prior to forming deposits and measuring their electrical properties would meet the claimed limitations.

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Thereby, the examiner takes the position that the prior art fails to teach or suggest the protector as claimed and the plasma cleaning method utilizing the protector.

The examiner would like to add the following comment:

It is noted that the instant claims except for the newly added claims 18 and 19 were examined and indicated allowable for the reasons indicated above during prosecution of the parent application SN 09/374,112.

It is noted that in an after final response in the prosecution of the parent application SN 09/374,112 the applicants argued that the claims reciting "the same electrical properties" are intended to provide a more general scope of the coverage than requiring the all and each electrical property of the protector be the same as the property of the deposited film, which should be removed.

However, the applicants have not specified what they meant under "a more general scope of the coverage".

The applicants neither specified why they considered the term "the same electrical properties" not requiring the all electrical properties be the same, nor specified which electrical properties should be excluded from "the same electrical properties".

The claims were canceled that time in response to the restriction requirement.

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The applicants introduced the claims in the instant application, which is a divisional of SN 09/374,112.

The applicants have neither changed the used term, nor specified "a more general scope of the coverage".

It is noted that specification pages 18 and 23 recites that in preferred embodiment the protector has the same electrical properties as the deposited film to be removed. The claims are also require a protector made from a material having electrical properties, which are the same as the deposited film to be removed.

Due to all of the above, the scope of the claims is interpreted according to the specification and the conventional meaning of the used term.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Markoff whose telephone number is 571-272-1304. The examiner can normally be reached on Monday-Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy P Gulakowski can be reached on 571-272-1302. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Alexander Markoff Primary Examiner Art Unit 1746

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